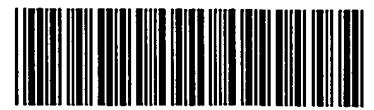


## RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 101593,958  
Source: IPWP  
Date Processed by STIC: 10/3/06

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IFWP

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/593,958

DATE: 10/03/2006  
TIME: 08:58:00

Input Set : A:\Sequence.txt  
Output Set: N:\CRF4\10032006\J593958.raw

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3 <110> APPLICANT: BORGFORD, Thor
4      BRAUN, Curtis
5      PURAC, Admir
6      STOLL, Dominik
8 <120> TITLE OF INVENTION: GLYCOSYLATION VARIANTS OF RICIN-LIKE PROTEINS
10 <130> FILE REFERENCE: 10447-50
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/593,958
C--> 13 <141> CURRENT FILING DATE: 2006-09-22
15 <150> PRIOR APPLICATION NUMBER: US 60/555,678
16 <151> PRIOR FILING DATE: 2004-03-24
18 <160> NUMBER OF SEQ ID NOS: 6
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37 20         25         30
40 Arg Gly Arg Leu Thr Thr Gly Ala Asp Val Arg His Glu Ile Pro Val
41 35         40         45
44 Leu Pro Asn Arg Val Gly Leu Pro Ile Asn Gln Arg Phe Ile Leu Val
45 50         55         60
48 Glu Leu Ser Asn His Ala Glu Leu Ser Val Thr Leu Ala Leu Asp Val
49 65         70         75         80
52 Thr Asn Ala Tyr Val Val Gly Tyr Arg Ala Gly Asn Ser Ala Tyr Phe
53 85         90         95
56 Phe His Pro Asp Asn Gln Glu Asp Ala Glu Ala Ile Thr His Leu Phe
57 100        105        110
60 Thr Asp Val Gln Asn Arg Tyr Thr Phe Ala Phe Gly Gly Asn Tyr Asp
61 115        120        125
64 Arg Leu Glu Gln Leu Ala Gly Asn Leu Arg Glu Asn Ile Glu Leu Gly
65 130        135        140
68 Asn Gly Pro Leu Glu Glu Ala Ile Ser Ala Leu Tyr Tyr Tyr Ser Thr
69 145        150        155        160
72 Gly Gly Thr Gln Leu Pro Thr Leu Ala Arg Ser Phe Ile Ile Cys Ile
73 165        170        175
76 Gln Met Ile Ser Glu Ala Ala Arg Phe Gln Tyr Ile Glu Gly Glu Met
77 180        185        190

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RAW SEQUENCE LISTING DATE: 10/03/2006  
 PATENT APPLICATION: US/10/593,958 TIME: 08:58:00

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 Output Set: N:\CRF4\10032006\J593958.raw

80 Arg Thr Arg Ile Arg Tyr Asn Arg Arg Ser Ala Pro Asp Pro Ser Val  
 81 195 200 205  
 84 Ile Thr Leu Glu Asn Ser Trp Gly Arg Leu Ser Thr Ala Ile Gln Glu  
 85 210 215 220  
 88 Ser Asn Gln Gly Ala Phe Ala Ser Pro Ile Gln Leu Gln Arg Arg Asn  
 89 225 230 235 240  
 92 Gly Ser Lys Phe Ser Val Tyr Asp Val Ser Ile Leu Ile Pro Ile Ile  
 93 245 250 255  
 96 Ala Leu Met Val Tyr Arg Cys Ser Pro Gln Gly Ile Ala Gly Gln Cys  
 97 260 265 270  
 100 Met Asp Pro Glu Pro Ile Val Arg Ile Val Gly Arg Asn Gly Leu Cys  
 101 275 280 285  
 104 Val Asp Val Arg Asp Gly Arg Phe His Asn Gly Asn Ala Ile Gln Leu  
 105 290 295 300  
 108 Trp Pro Cys Lys Ser Asn Thr Asp Ala Asn Gln Leu Trp Thr Leu Lys  
 109 305 310 315 320  
 112 Arg Asp Asn Thr Ile Arg Ser Asn Gly Lys Cys Leu Thr Thr Tyr Gly  
 113 325 330 335  
 116 Tyr Ser Pro Gly Val Tyr Val Met Ile Tyr Asp Cys Asn Thr Ala Ala  
 117 340 345 350  
 120 Thr Asp Ala Thr Arg Trp Gln Ile Trp Asp Asn Gly Thr Ile Ile Asn  
 121 355 360 365  
 124 Pro Arg Ser Ser Leu Val Leu Ala Ala Thr Ser Gly Asn Ser Gly Thr  
 125 370 375 380  
 128 Thr Leu Thr Val Gln Thr Asn Ile Tyr Ala Val Ser Gln Gly Trp Leu  
 129 385 390 395 400  
 132 Pro Thr Gln Asn Thr Gln Pro Phe Val Thr Thr Ile Val Gly Leu Tyr  
 133 405 410 415  
 136 Gly Leu Cys Leu Gln Ala Asn Ser Gly Gln Val Trp Ile Glu Asp Cys  
 137 420 425 430  
 140 Ser Ser Glu Lys Ala Glu Gln Gln Trp Ala Leu Tyr Ala Asp Gly Ser  
 141 435 440 445  
 144 Ile Arg Pro Gln Gln Asn Arg Asp Asn Cys Leu Thr Ser Asp Ser Asn  
 145 450 455 460  
 148 Ile Arg Glu Thr Val Val Lys Ile Leu Ser Cys Gly Pro Ala Ser Ser  
 149 465 470 475 480  
 152 Gly Gln Arg Trp Met Phe Lys Asn Asp Gly Thr Ile Leu Asn Leu Tyr  
 153 485 490 495  
 156 Ser Gly Leu Val Leu Asp Val Arg Ala Ser Asp Pro Ser Leu Lys Gln  
 157 500 505 510  
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 170 <212> TYPE: PRT  
 171 <213> ORGANISM: Artificial Sequence  
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,958

DATE: 10/03/2006

TIME: 08:58:00

Input Set : A:\Sequence.txt

Output Set: N:\CRF4\10032006\J593958.raw

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 179 1 5 10 15  
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 183 20 25 30  
 186 Arg Gly Arg Leu Thr Thr Gly Ala Asp Val Arg His Glu Ile Pro Val  
 187 35 40 45  
 190 Leu Pro Asn Arg Val Gly Leu Pro Ile Asn Gln Arg Phe Ile Leu Val  
 191 50 55 60  
 194 Glu Leu Ser Asn His Ala Glu Leu Ser Val Thr Leu Ala Leu Asp Val  
 195 65 70 75 80  
 198 Thr Asn Ala Tyr Val Val Gly Tyr Arg Ala Gly Asn Ser Ala Tyr Phe  
 199 85 90 95  
 202 Phe His Pro Asp Asn Gln Glu Asp Ala Glu Ala Ile Thr His Leu Phe  
 203 100 105 110  
 206 Thr Asp Val Gln Asn Arg Tyr Thr Phe Ala Phe Gly Gly Asn Tyr Asp  
 207 115 120 125  
 210 Arg Leu Glu Gln Leu Ala Gly Asn Leu Arg Glu Asn Ile Glu Leu Gly  
 211 130 135 140  
 214 Asn Gly Pro Leu Glu Glu Ala Ile Ser Ala Leu Tyr Tyr Ser Thr  
 215 145 150 155 160  
 218 Gly Gly Thr Gln Leu Pro Thr Leu Ala Arg Ser Phe Ile Ile Cys Ile  
 219 165 170 175  
 222 Gln Met Ile Ser Glu Ala Ala Arg Phe Gln Tyr Ile Glu Gly Glu Met  
 223 180 185 190  
 226 Arg Thr Arg Ile Arg Tyr Asn Arg Arg Ser Ala Pro Asp Pro Ser Val  
 227 195 200 205  
 230 Ile Thr Leu Glu Asn Ser Trp Gly Arg Leu Ser Thr Ala Ile Gln Glu  
 231 210 215 220  
 234 Ser Asn Gln Gly Ala Phe Ala Ser Pro Ile Gln Leu Gln Arg Arg Asn  
 235 225 230 235 240  
 238 Gly Ser Lys Phe Ser Val Tyr Asp Val Ser Ile Leu Ile Pro Ile Ile  
 239 245 250 255  
 242 Ala Leu Met Val Tyr Arg Cys Ser Pro Gln Gly Ile Ala Gly Gln Cys  
 243 260 265 270  
 246 Met Asp Pro Glu Pro Ile Val Arg Ile Val Gly Arg Asn Gly Leu Cys  
 247 275 280 285  
 250 Val Asp Val Arg Asp Gly Arg Phe His Asn Gly Asn Ala Ile Gln Leu  
 251 290 295 300  
 254 Trp Pro Cys Lys Ser Asn Thr Asp Ala Asn Gln Leu Trp Thr Leu Lys  
 255 305 310 315 320  
 258 Arg Asp Asn Thr Ile Arg Ser Asn Gly Lys Cys Leu Thr Thr Tyr Gly  
 259 325 330 335  
 262 Tyr Ser Pro Gly Val Tyr Val Met Ile Tyr Asp Cys Asn Thr Ala Ala  
 263 340 345 350  
 266 Thr Asp Ala Thr Arg Trp Gln Ile Trp Asp Asn Gly Thr Ile Ile Asn  
 267 355 360 365  
 270 Pro Arg Ser Ser Leu Val Leu Ala Ala Thr Ser Gly Asn Ser Gly Thr

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/593,958

DATE: 10/03/2006

TIME: 08:58:00

Input Set : A:\Sequence.txt

Output Set: N:\CRF4\10032006\J593958.raw

271	370	375	380
274	Thr Leu Thr Val Gln Thr Asn Ile Tyr Ala Val Ser Gln Gly Trp Leu		
275	385	390	395
278	Pro Thr Asn Asn Thr Gln Pro Phe Val Thr Thr Ile Val Gly Leu Tyr		
279	405	410	415
282	Gly Leu Cys Leu Gln Ala Asn Ser Gly Gln Val Trp Ile Glu Asp Cys		
283	420	425	430
286	Ser Ser Glu Lys Ala Glu Gln Gln Trp Ala Leu Tyr Ala Asp Gly Ser		
287	435	440	445
290	Ile Arg Pro Gln Gln Asn Arg Asp Asn Cys Leu Thr Ser Asp Ser Asn		
291	450	455	460
294	Ile Arg Glu Thr Val Val Lys Ile Leu Ser Cys Gly Pro Ala Ser Ser		
295	465	470	475
298	Gly Gln Arg Trp Met Phe Lys Asn Asp Gly Thr Ile Leu Asn Leu Tyr		
299	485	490	495
302	Ser Gly Leu Val Leu Asp Val Arg Ala Ser Asp Pro Ser Leu Lys Gln		
303	500	505	510
306	Ile Ile Leu Tyr Pro Leu His Gly Asp Pro Asn Gln Ile Trp Leu Pro		
307	515	520	525
310	Leu Phe		
311	530		
314	<210> SEQ ID NO: 3		
315	<211> LENGTH: 531		
316	<212> TYPE: PRT		
317	<213> ORGANISM: Artificial Sequence		
319	<220> FEATURE:		
320	<223> OTHER INFORMATION: TST10147 Protein Sequence		
322	<400> SEQUENCE: 3		
324	Glu Ala Glu Ala Ile Phe Pro Lys Gln Tyr Pro Ile Ile Gln Phe Thr		
325	1	5	10
328	15		
329	Thr Ala Gly Ala Thr Val Gln Ser Tyr Thr Asn Phe Ile Arg Ala Val		
329	20	25	30
332	Arg Gly Arg Leu Thr Thr Gly Ala Asp Val Arg His Glu Ile Pro Val		
333	35	40	45
336	336 Leu Pro Asn Arg Val Gly Leu Pro Ile Asn Gln Arg Phe Ile Leu Val		
337	50	55	60
340	340 Glu Leu Ser Asn His Ala Glu Leu Ser Val Thr Leu Ala Leu Asp Val		
341	65	70	75
344	80		
345	Thr Asn Ala Tyr Val Val Gly Tyr Arg Ala Gly Asn Ser Ala Tyr Phe		
345	85	90	95
348	348 Phe His Pro Asp Asn Gln Glu Asp Ala Glu Ala Ile Thr His Leu Phe		
349	100	105	110
352	352 Thr Asp Val Gln Asn Arg Tyr Thr Phe Ala Phe Gly Gly Asn Tyr Asp		
353	115	120	125
356	356 Arg Leu Glu Gln Leu Ala Gly Asn Leu Arg Glu Asn Ile Glu Leu Gly		
357	130	135	140
360	360 Asn Gly Pro Leu Glu Glu Ala Ile Ser Ala Leu Tyr Tyr Tyr Ser Thr		
361	145	150	155
364	160		
364	Gly Gly Thr Gln Leu Pro Thr Leu Ala Arg Ser Phe Ile Ile Cys Ile		

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/593,958

DATE: 10/03/2006  
TIME: 08:58:00

Input Set : A:\Sequence.txt  
Output Set: N:\CRF4\10032006\J593958.raw

365	165	170	175
368	Gln Met Ile Ser Glu Ala Ala Arg Phe Gln Tyr Ile Glu Gly Glu Met		
369	180	185	190
372	Arg Thr Arg Ile Arg Tyr Asn Arg Arg Ser Ala Pro Asp Pro Ser Val		
373	195	200	205
376	Ile Thr Leu Glu Asn Ser Trp Gly Arg Leu Ser Thr Ala Ile Gln Glu		
377	210	215	220
380	Ser Asn Gln Gly Ala Phe Ala Ser Pro Ile Gln Leu Gln Arg Arg Asn		
381	225	230	235
384	Gly Ser Lys Phe Ser Val Tyr Asp Val Ser Ile Leu Ile Pro Ile Ile		
385	245	250	255
388	Ala Leu Met Val Tyr Arg Cys Gly Ser Pro Gln Gly Ile Ala Gly Gln		
389	260	265	270
392	Cys Met Asp Pro Glu Pro Ile Val Arg Ile Val Gly Arg Asn Gly Leu		
393	275	280	285
396	Cys Val Asp Val Arg Asp Gly Arg Phe His Asn Gly Asn Ala Ile Gln		
397	290	295	300
400	Leu Trp Pro Cys Lys Ser Asn Thr Asp Ala Asn Gln Leu Trp Thr Leu		
401	305	310	315
404	Lys Arg Asp Asn Thr Ile Arg Ser Asn Gly Lys Cys Leu Thr Thr Tyr		
405	325	330	335
408	Gly Tyr Ser Pro Gly Val Tyr Val Met Ile Tyr Asp Cys Asn Thr Ala		
409	340	345	350
412	Ala Thr Asp Ala Thr Arg Trp Gln Ile Trp Asp Asn Gly Thr Ile Ile		
413	355	360	365
416	Asn Pro Arg Ser Ser Leu Val Leu Ala Ala Thr Ser Gly Asn Ser Gly		
417	370	375	380
420	Thr Thr Leu Thr Val Gln Thr Asn Ile Tyr Ala Val Ser Gln Gly Trp		
421	385	390	395
424	400		
425	Leu Pro Thr Gln Asn Thr Gln Pro Phe Val Thr Thr Ile Val Gly Leu		
426	405	410	415
428	Tyr Gly Leu Cys Leu Gln Ala Asn Ser Gly Gln Val Trp Ile Glu Asp		
429	420	425	430
432	Cys Ser Ser Glu Lys Ala Glu Gln Gln Trp Ala Leu Tyr Ala Asp Gly		
433	435	440	445
436	Ser Ile Arg Pro Gln Gln Asn Arg Asp Asn Cys Leu Thr Ser Asp Ser		
437	450	455	460
440	Asn Ile Arg Glu Thr Val Val Lys Ile Leu Ser Cys Gly Pro Ala Ser		
441	465	470	475
444	480		
445	Ser Gly Gln Arg Trp Met Phe Lys Asn Asp Gly Thr Ile Leu Asn Leu		
446	485	490	495
448	Tyr Ser Gly Leu Val Leu Asp Val Arg Ala Ser Asp Pro Ser Leu Lys		
449	500	505	510
452	Gln Ile Ile Leu Tyr Pro Leu His Gly Asp Pro Asn Gln Ile Trp Leu		
453	515	520	525
456	Pro Leu Phe		
457	530		
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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/593,958

DATE: 10/03/2006

TIME: 08:58:01

Input Set : A:\Sequence.txt

Output Set: N:\CRF4\10032006\J593958.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date